

# NASA TECH BRIEF



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## Thermal Expansion Properties of Aerospace Materials

The thermal expansion properties of materials used in aerospace systems have been compiled into a single handbook. The data, presented in charts and tables, are arranged in two sections, one section covering cryogenic temperatures (to  $-423^{\circ}\text{F}$ ) and the other elevated temperatures (to  $2000^{\circ}\text{F}$ , or as applicable). The data were derived from experimental measurements, supplemented by information from various literature sources. Descriptions of test procedures and equipment and analyses of the measurements are included in the handbook.

### Note:

Copies of the handbook may be obtained from:  
Clearinghouse for Federal Scientific  
and Technical Information  
Springfield, Virginia 22151  
Price \$3.00  
Reference: TSP69-10055

### Patent status:

No patent action is contemplated by NASA.  
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